

NOAA and NOAA Partnership Stations Relative to the Storm

Culebra, PR

Charlotte Amalie, VI

Lameshur Bay, St. Johns, VI

Vieques Island, PR

Lime Tree Bay, VI

Christiansted Harbor, St Croix, VI

Active Stations

**Storm Analysis** 

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the <u>National Hurricane Center</u> (NHC) issues a new Tropical Storm Warning for the U.S. Territories Coastline.

As of 09/03/2009 17:30 AST, water level across the U.S. Virgin Islands and Puerto Rico are at or near predicted water levels. Barometric pressure is trending downward across the region. Winds are gusting from 12 to 18 knots.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to <u>Mean Lower Low Water</u> are:

For additional data, please see the <u>Center for Operational Oceanographic Products & Services</u> website. For more information or archived products and reports, please see the

#### Tropical Depression ERIKA QuickLook, POSTED 17:30 AST 09/03/2009

### Storm QuickLook Homepage.

Analyst: KG

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: Christiansted Harbor, St Croix - Water Level, Christiansted Harbor, St Croix - Barometric, Lameshur Bay, St.

John - Water Level, Lameshur Bay, St. John - Barometric, Lime Tree Bay - Water Level, Lime Tree Bay - Winds, Lime

Tree Bay - Barometric, Lime Tree Bay - Air/Water Temp, Charlotte Amalie - Water Level, Charlotte Amalie - Barometric,

Charlotte Amalie - Air/Water Temp, Culebra - Water Level, Culebra - Winds, Culebra - Barometric, Esperanza, Vieques

Island - Water Level, Esperanza, Vieques Island - Winds, Esperanza, Vieques Island - Barometric, Esperanza, Vieques

Island - Air/Water Temp, San Juan - Water Level, San Juan - Winds, San Juan - Barometric, San Juan - Air/Water

Temp,

#### Christiansted Harbor, St Croix, VI - Return to List

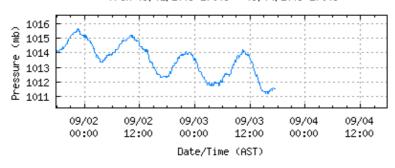
NOAA/NOS/CO-OPS Preliminary 6 min. Water Level vs. Predicted Plot 9751364 Christiansted Harbor, St Croix, VI from 09/01/2009 17:48 - 09/04/2009 17:48 relative to MLLW) 2.0 1.5 1.0 0.5 0.0 -0.5 (Feet 09/02 09/02 09/03 09/03 09/04 09/04 00:00 12:00 00:00 12:00 00:00 12:00 Date/Time (AST) Predicted WL (Obs-Pred) Observed WL MHHW

Last Observed Sample: 09/03/2009 17:30 (AST)

Relative to MLLW: Observed: 0.64 ft. Predicted: 0.49 ft. Residual: 0.15 ft. Historical Maximum Water Level: 10/13/2006, 0.73 ft. above MHHW

#### Christiansted Harbor, St Croix, VI - Return to List

NOAA/NOS/CO-OPS Barometric Pressure Plot 9751364 Christiansted Harbor, St Croix, VI from 09/01/2009 17:48 - 09/04/2009 17:48



Last Observed Sample: 09/03/2009 17:30 (AST)

barometric pressure

**Barometric Pressure: 1011.5 mb** 

## Lameshur Bay, St. John, VI - Return to List

NOAA/NOS/CO-OPS Preliminary 6 min. Water Level vs. Predicted Plot 9751381 Lameshur Bay, St. John, VI Height (Feet relative to MLLW) from 09/01/2009 17:48 - 09/04/2009 17:48 2.0 1.5 1.0 0.5 0.0 -0.5 09/02 09/02 09/03 09/03 09/04 09/04 00:00 12:00 00:00 12:00 00:00 12:00 Date/Time (AST) Predicted WL (Obs-Pred) Observed WL MHHW

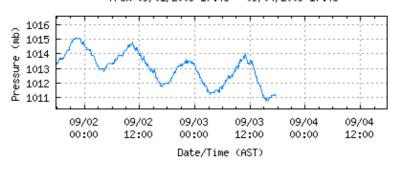
Last Observed Sample: 09/03/2009 17:36 (AST)

Relative to MLLW: Observed: 0.56 ft. Predicted: 0.43 ft. Residual: 0.13 ft.

Historical Maximum Water Level: 11/06/2006, 0.83 ft. above MHHW

#### Lameshur Bay, St. John, VI - Return to List

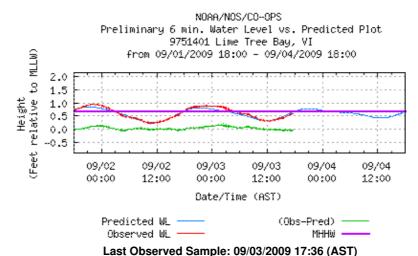
NOAA/NOS/CO-OPS Barometric Pressure Plot 9751381 Lameshur Bay, St. John, VI from 09/01/2009 17:48 - 09/04/2009 17:48



barometric pressure ——
Last Observed Sample: 09/03/2009 17:36 (AST)

**Barometric Pressure: 1011.1 mb** 

## Lime Tree Bay, VI - Return to List



Relative to MLLW: Observed: 0.60 ft. Predicted: 0.65 ft. Residual: -0.05 ft. Historical Maximum Water Level: 11/17/1999, 1.88 ft. above MHHW

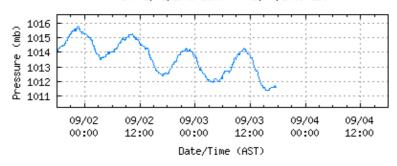
#### Lime Tree Bay, VI - Return to List

NOAA/NOS/CO-OPS Wind Speed/Gusts/Dir 9751401 Lime Tree Bay, VI from 09/01/2009 18:00 - 09/04/2009 18:00 360 (true) 25 speed (knots) 270 20 direction 15 180 10 09/02 09/02 09/03 09/03 09/04 09/04 00:00 12:00 00:00 12:00 00:00 12:00 Date/Time (AST) gusts direction

Last Observed Sample: 09/03/2009 17:36 (AST)
Wind Speed: 9 knots Gusts: 14 knots Direction: 096° T

## Lime Tree Bay, VI - Return to List

NOAA/NOS/CO-OPS Barometric Pressure Plot 9751401 Lime Tree Bay, VI from 09/01/2009 18:00 - 09/04/2009 18:00



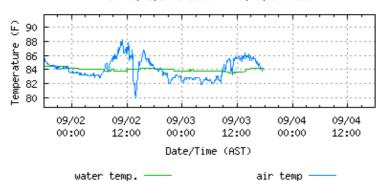
barometric pressure ——

Last Observed Sample: 09/03/2009 17:36 (AST)

**Barometric Pressure: 1011.6 mb** 

## Lime Tree Bay, VI - Return to List

NOAA/NOS/CO-OPS Air/Water Temperature Plot 9751401 Lime Tree Bay, VI from 09/01/2009 18:00 - 09/04/2009 18:00



Last Observed Sample: 09/03/2009 17:36 (AST)

Water Temperature: 84.2° F Air Temperature: 84.0° F

## Charlotte Amalie, VI - Return to List

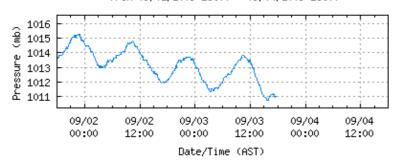
NOAA/NOS/CO-OPS Preliminary 6 min. Water Level vs. Predicted Plot 9751639 Charlotte Amalie, VI Height relative to MLLW) from 09/01/2009 18:00 - 09/04/2009 18:00 2.0 1.5 1.0 0.5 0.0 -0.5 (Feet 09/02 09/02 09/03 09/03 09/04 09/04 00:00 12:00 00:00 12:00 00:00 12:00 Date/Time (AST) Predicted WL (Obs-Pred) Observed WL MHHW

Last Observed Sample: 09/03/2009 17:36 (AST)

Relative to MLLW: Observed: 0.49 ft. Predicted: 0.70 ft. Residual: -0.21 ft. Historical Maximum Water Level: 09/16/1995, 2.93 ft. above MHHW

## Charlotte Amalie, VI - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
9751639 Charlotte Amalie, VI
from 09/01/2009 18:00 - 09/04/2009 18:00



barometric pressure ——
Last Observed Sample: 09/03/2009 17:36 (AST)

Barometric Pressure: 1011.0 mb

## Charlotte Amalie, VI - Return to List

NOAA/NOS/CO-OPS Air/Water Temperature Plot 9751639 Charlotte Amalie, VI from 09/01/2009 18:00 - 09/04/2009 18:00



Last Observed Sample: 09/03/2009 17:36 (AST)

Water Temperature: 88.9° F Air Temperature: 86.4° F

#### Culebra, PR - Return to List

NOAA/NOS/CO-OPS Preliminary 6 min. Water Level vs. Predicted Plot 9752235 Culebra, PR Height (Feet relative to MLLW) from 09/01/2009 17:48 - 09/04/2009 17:48 2.0 1.5 1.0 0.5 0.0 -0.5 09/02 09/02 09/03 09/03 09/04 09/04 00:00 12:00 00:00 12:00 00:00 12:00 Date/Time (AST) Predicted WL (Obs-Pred)

Last Observed Sample: 09/03/2009 17:36 (AST)

MHHW

Observed WL

Relative to MLLW: Observed: 0.76 ft. Predicted: 0.68 ft. Residual: 0.08 ft. Historical Maximum Water Level: 11/06/2006, 0.86 ft. above MHHW

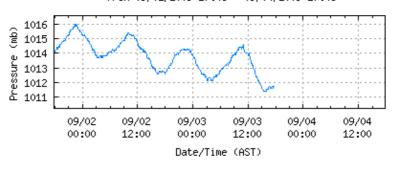
# Culebra, PR - Return to List

NOAA/NOS/CO-OPS Wind Speed/Gusts/Dir 9752235 Culebra, PR from 09/01/2009 17:48 - 09/04/2009 17:48 360 25 speed (knots) 270 20 direction 15 180 10 09/03 09/02 09/02 09/04 09/04 09/03 00:00 12:00 00:00 12:00 00:00 12:00 Date/Time (AST) direction speed gusts -

Last Observed Sample: 09/03/2009 17:30 (AST)
Wind Speed: 6 knots Gusts: 9 knots Direction: 077° T

## Culebra, PR - Return to List

NOAA/NOS/CO-OPS Barometric Pressure Plot 9752235 Culebra, PR from 09/01/2009 17:48 - 09/04/2009 17:48

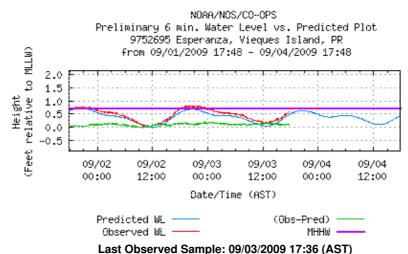


barometric pressure ———

Last Observed Sample: 09/03/2009 17:36 (AST)

**Barometric Pressure: 1011.7 mb** 

# Esperanza, Vieques Island, PR - Return to List



Relative to MLLW: Observed: 0.58 ft. Predicted: 0.46 ft. Residual: 0.12 ft. Historical Maximum Water Level: 10/13/2006, 0.83 ft. above MHHW

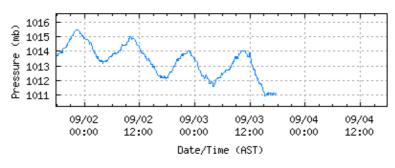
#### Esperanza, Viegues Island, PR - Return to List

NOAA/NOS/CO-OPS Wind Speed/Gusts/Dir 9752695 Esperanza, Vieques Island, PR from 09/01/2009 17:48 - 09/04/2009 17:48 360 (true) 25 speed (knots) 270 20 direction 15 180 10 5 09/03 09/02 09/02 09/03 09/04 09/04 00:00 12:00 00:00 12:00 00:00 12:00 Date/Time (AST) gusts direction

Last Observed Sample: 09/03/2009 17:30 (AST)
Wind Speed: 6 knots Gusts: 11 knots Direction: 103° T

## Esperanza, Viegues Island, PR - Return to List

NOAA/NOS/CO-OPS Barometric Pressure Plot 9752695 Esperanza, Vieques Island, PR from 09/01/2009 17:48 - 09/04/2009 17:48



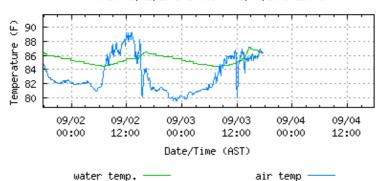
barometric pressure ———

Last Observed Sample: 09/03/2009 17:36 (AST)

**Barometric Pressure: 1011.1 mb** 

## Esperanza, Vieques Island, PR - Return to List

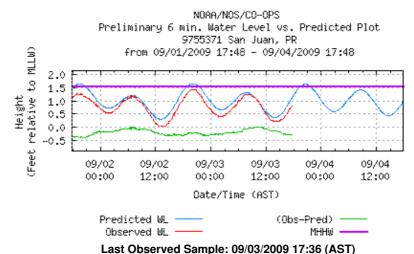
NOAA/NOS/CO-OPS Air/Water Temperature Plot 9752695 Esperanza, Vieques Island, PR from 09/01/2009 17:48 - 09/04/2009 17:48



Last Observed Sample: 09/03/2009 17:30 (AST)

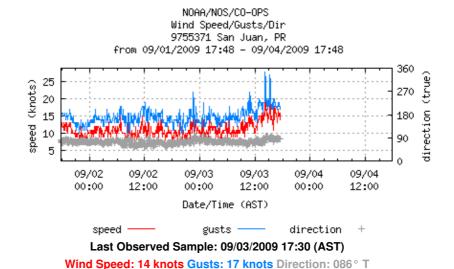
Water Temperature: 86.4° F Air Temperature: 86.5° F

# San Juan, PR - Return to List



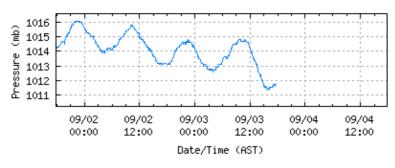
Relative to MLLW: Observed: 0.81 ft. Predicted: 1.11 ft. Residual: -0.30 ft. Historical Maximum Water Level: 09/21/1998, 1.21 ft. above MHHW

## San Juan, PR - Return to List



# San Juan, PR - Return to List

NOAA/NOS/CO-OPS Barometric Pressure Plot 9755371 San Juan, PR from 09/01/2009 17:48 - 09/04/2009 17:48



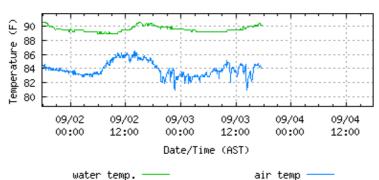
barometric pressure ———

Last Observed Sample: 09/03/2009 17:36 (AST)

**Barometric Pressure: 1011.7 mb** 

## San Juan, PR - Return to List

NOAA/NOS/CO-OPS Air/Water Temperature Plot 9755371 San Juan, PR from 09/01/2009 17:48 - 09/04/2009 17:48



Last Observed Sample: 09/03/2009 17:30 (AST)

Water Temperature: 90.1° F Air Temperature: 84.2° F

# Tropical Depression ERIKA QuickLook, POSTED 17:30 AST 09/03/2009

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